

OFFICE OF THE SECRETARY OF STATE
OF THE STATE OF COLORADO

CERTIFICATE

I, Bernie Buescher, as the Secretary of State of the State of Colorado, hereby certify that, according to the records of this office,

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

is a **Nonprofit Corporation** formed or registered on 04/23/1924 under the law of Colorado, has complied with all applicable requirements of this office, and is in good standing with this office. This entity has been assigned entity identification number 19871079407.

This certificate reflects facts established or disclosed by documents delivered to this office on paper through 02/12/2010 that have been posted, and by documents delivered to this office electronically through 02/18/2010 @ 15:56:07.

I have affixed hereto the Great Seal of the State of Colorado and duly generated, executed, authenticated, issued, delivered and communicated this official certificate at Denver, Colorado on 02/18/2010 @ 15:56:07 pursuant to and in accordance with applicable law. This certificate is assigned Confirmation Number 7578576.



A handwritten signature in blue ink that reads "Bernie Buescher". The signature is fluid and cursive, with the first and last names being prominent.

Secretary of State of the State of Colorado

*****End of Certificate*****

Notice: A certificate issued electronically from the Colorado Secretary of State's Web site is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Certificate Confirmation Page of the Secretary of State's Web site, <http://www.sos.state.co.us/biz/CertificateSearchCriteria.do> entering the certificate's confirmation number displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate. For more information, visit our Web site, <http://www.sos.state.co.us/> click Business Center and select "Frequently Asked Questions."